

What is Claimed is:

1. A fishing reel having a gear couple comprising:
a first gear having a first meshing base, said first meshing base being
5 covered by a first layer which includes the element gold disposed substantially
uniformly over the meshing base;
a second gear having a second meshing base, said second meshing base
being covered by a second layer which includes the element chromium disposed
substantially uniformly over the meshing base,
10 wherein said first layer and said second layer engage in meshing contact.
2. The fishing reel of claim 1 further including a first intermediate layer
disposed between the first meshing base and said first layer.
- 15 3. The fishing reel of claim 2 wherein the first intermediate layer is cyanide
copper.
4. The fishing reel of claim 2 further including a second intermediate layer
disposed between the first meshing base and said first layer.
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5. The fishing reel of claim 4 wherein the second intermediate layer is acid
copper sulfate.
6. The fishing reel of claim 1 further including a first intermediate layer
25 disposed between the second meshing base and said second layer.
7. The fishing reel of claim 6 wherein the first intermediate layer is nickel.
8. The fishing reel of claim 1 wherein the first layer has a thickness of about
30 0.005mm.
9. The fishing reel of claim 1 wherein the first gear is a crown gear.

10. The fishing reel of claim 1 wherein the first gear is a spur gear.

11. The fishing reel of claim 1 wherein the first gear is made from a zinc alloy.

5 12. A gear couple comprising:

a first gear having a first outer gear layer which includes gold and a second gear having a second outer gear layer which includes chromium; and said first gear and said second gear being disposed to form a meshing interface between the first gear layer and the second gear layer.

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13. The gear couple of claim 12 further including a first intermediate layer between the first gear outer layer and a first gear surface.

14. The gear couple of claim 13 further including a second intermediate layer disposed between the first gear outer and the first gear surface.

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15. The gear couple of claim 13 wherein the first intermediate layer is cyanide copper.

20 16. The gear couple of claim 13 wherein the first intermediate layer is acid copper sulfate.

17. The gear couple of claim 12 further including a first intermediate layer between the second gear outer layer and a second gear surface.

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18. The gear couple of claim 12 wherein the first layer has a thickness of about 0.005mm.

19. The gear couple of claim 12 wherein the first gear is made from a zinc alloy.

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20. The gear couple of claim 12 wherein the second gear is made from a brass alloy.